

0826

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## RAW SEQUENCE LISTING

DATE: 08/28/2002

PATENT APPLICATION: US/10/050,050

TIME: 09:59:25

Input Set : N:\Crf3\RULE60\10050050.raw

Output Set: N:\CRF4\08282002\J050050.raw

## SEQUENCE LISTING

ENTERED

## 3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: COHEN, CHARLES M.

6 CHARETTE, MARC F.

7 KUBERASAMPATH, THANGAVEL

8 RUEGER, DAVID C.

9 OPPERMAN, HERMANN

10 PANG, ROY H.L.

11 OZKAYNAK, ENGIN

12 SMART, JOHN E.

14 (ii) TITLE OF INVENTION: MORPHOGEN TREATMENT FOR LIMITING  
15 PROLIFERATION OF EPITHELIAL CELLS.

17 (iii) NUMBER OF SEQUENCES: 33

19 (iv) CORRESPONDENCE ADDRESS:

20 (A) ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES

21 (B) STREET: 45 SOUTH STREET

22 (C) CITY: HOPKINTON

23 (D) STATE: MA

24 (E) COUNTRY: USA

25 (F) ZIP: 01748

27 (v) COMPUTER READABLE FORM:

28 (A) MEDIUM TYPE: Floppy disk

29 (B) COMPUTER: IBM PC compatible

30 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

31 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

33 (vi) CURRENT APPLICATION DATA:

C--&gt; 34 (A) APPLICATION NUMBER: US/10/050,050

C--&gt; 35 (B) FILING DATE: 15-Jan-2002

36 (C) CLASSIFICATION:

38 (vii) PRIOR APPLICATION DATA:

40 (A) APPLICATION NUMBER: US/08/461,113

41 (B) FILING DATE:

43 (A) APPLICATION NUMBER: US 08/445,882

44 (B) FILING DATE: 22-MAY-1995

46 (viii) ATTORNEY/AGENT INFORMATION:

47 (A) NAME: FENTON Esq., GILLIAN M.

48 (B) REGISTRATION NUMBER: 36,508

49 (C) REFERENCE/DOCKET NUMBER: CRP-074DV

51 (ix) TELECOMMUNICATION INFORMATION:

52 (A) TELEPHONE: (508) 435-9001

53 (B) TELEFAX: (508) 435-6951

56 (2) INFORMATION FOR SEQ ID NO: 1:

58 (i) SEQUENCE CHARACTERISTICS:

## RAW SEQUENCE LISTING

DATE: 08/28/2002

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Input Set : N:\Crif3\RULE60\10050050.raw

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59      (A) LENGTH: 97 amino acids
60      (B) TYPE: amino acid
61      (C) STRANDEDNESS: single
62      (D) TOPOLOGY: linear
64      (ii) MOLECULE TYPE: protein
67      (ix) FEATURE:
68          (A) NAME/KEY: Protein
69          (B) LOCATION: 1..97
70          (D) OTHER INFORMATION: /label= GENERIC-SEQ-1
71 /note= "EACH XAA INDICATES ONE OF THE 20 NATURALLY OCCURRING
72 L-ISOMER, ALPHA-AMINO ACIDS, OR A DERIVATIVE THEREOF"
75      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
W--> 77      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
78          1          5          10          15
W--> 80      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa
81          20          25          30
W--> 83      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
84          35          40          45
W--> 86      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Cys Xaa Xaa
87          50          55          60
W--> 89      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
90          65          70          75          80
W--> 92      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys
93          85          90          95
W--> 95      Xaa
C--> 112 (2) INFORMATION FOR SEQ ID NO: /label= GENERIC-SEQ-2
113          /note= "EACH XAA INDICATES ONE OF THE 20 NATURALLY
OCCURRING
114          L-ISOMER, ALPHA-AMINO ACIDS, OR A DERIVATIVE THEREOF"
100      (i) SEQUENCE CHARACTERISTICS:
101          (A) LENGTH: 97 amino acids
102          (B) TYPE: amino acid
103          (C) STRANDEDNESS: single
104          (D) TOPOLOGY: linear
106      (ii) MOLECULE TYPE: protein
109      (ix) FEATURE:
110          (A) NAME/KEY: Protein
111          (B) LOCATION: 1..97
117      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
W--> 119      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
120          1          5          10          15
W--> 122      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa
123          20          25          30
W--> 125      Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
126          35          40          45
W--> 128      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Cys Xaa Xaa
129          50          55          60
W--> 131      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
132          65          70          75          80
W--> 134      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Cys

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Input Set : N:\Crif3\RULE60\10050050.raw

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135                      85                      90                      95
W--> 137      Xaa
140 (2) INFORMATION FOR SEQ ID NO: 3:
142      (i) SEQUENCE CHARACTERISTICS:
143          (A) LENGTH: 97 amino acids
144          (B) TYPE: amino acid
145          (C) STRANDEDNESS: single
146          (D) TOPOLOGY: linear
148      (ii) MOLECULE TYPE: protein
151      (ix) FEATURE:
152          (A) NAME/KEY: Protein
153          (B) LOCATION: 1..97
154          (D) OTHER INFORMATION: /label= GENERIC-SEQ-3
155 /note= "WHEREIN EACH XAA IS INDEPENDENTLY SELECTED FROM A GROUP
156 OF ONE OR MORE SPECIFIED AMINO ACIDS AS DEFINED IN THE
157 SPECIFICATION "
160      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
W--> 162      Leu Tyr Val Xaa Phe Xaa Xaa Xaa Gly Trp Xaa Xaa Trp Xaa Xaa Ala
163          1              5              10              15
W--> 165      Pro Xaa Gly Xaa Xaa Ala Xaa Tyr Cys Xaa Gly Xaa Cys Xaa Xaa Pro
166          20              25              30
W--> 168      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn His Ala Xaa Xaa Xaa Leu
169          35              40              45
W--> 171      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Cys Xaa Pro
172          50              55              60
W--> 174      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa
175          65              70              75              80
W--> 177      Val Xaa Leu Xaa Xaa Xaa Xaa Xaa Met Xaa Val Xaa Xaa Cys Gly Cys
178          85              90              95
W--> 180      Xaa
183 (2) INFORMATION FOR SEQ ID NO: 4:
185      (i) SEQUENCE CHARACTERISTICS:
186          (A) LENGTH: 102 amino acids
187          (B) TYPE: amino acid
188          (C) STRANDEDNESS: single
189          (D) TOPOLOGY: linear
191      (ii) MOLECULE TYPE: protein
194      (ix) FEATURE:
195          (A) NAME/KEY: Protein
196          (B) LOCATION: 1..102
197          (D) OTHER INFORMATION: /label= GENERIC-SEQ-4
198 /note= "WHEREIN EACH XAA IS INDEPENDENTLY SELECTED FROM A GROUP
199 OF ONE OR MORE SPECIFIED AMINO ACIDS AS DEFINED IN THE
200 SPECIFICATION"
203      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 205      Cys Xaa Xaa Xaa Xaa Leu Tyr Val Xaa Phe Xaa Xaa Xaa Gly Trp Xaa
206          1              5              10              15
W--> 208      Xaa Trp Xaa Xaa Ala Pro Xaa Gly Xaa Xaa Ala Xaa Tyr Cys Xaa Gly
209          20              25              30

```

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Input Set : N:\Crf3\RULE60\10050050.raw

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W--> 211 Xaa Cys Xaa Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn His Ala  
 212 35 40 45  
 W--> 214 Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 215 50 55 60  
 W--> 217 Xaa Cys Cys Xaa Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa  
 218 65 70 75 80  
 W--> 220 Xaa Xaa Xaa Xaa Xaa Val Xaa Leu Xaa Xaa Xaa Xaa Xaa Met Xaa Val  
 221 85 90 95  
 W--> 223 Xaa Xaa Cys Gly Cys Xaa  
 224 100

## (2) INFORMATION FOR SEQ ID NO: 5:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 139 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: protein

## (ix) FEATURE:

(A) NAME/KEY: Protein

(B) LOCATION: 1..139

(D) OTHER INFORMATION: /note= "HOP-1 (MATURE FORM)"

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Ser Thr Gly Ser Lys Gln Arg Ser Gln Asn Arg Ser Lys Thr Pro Lys  
 1 5 10 15  
 Asn Gln Glu Ala Leu Arg Met Ala Asn Val Ala Glu Asn Ser Ser Ser  
 20 25 30  
 Asp Gln Arg Gln Ala Cys Lys Lys His Glu Leu Tyr Val Ser Phe Arg  
 35 40 45  
 Asp Leu Gly Trp Gln Asp Trp Ile Ile Ala Pro Glu Gly Tyr Ala Ala  
 50 55 60  
 Tyr Tyr Cys Glu Gly Glu Cys Ala Phe Pro Leu Asn Ser Tyr Met Asn  
 65 70 75 80  
 Ala Thr Asn His Ala Ile Val Gln Thr Leu Val His Phe Ile Asn Pro  
 85 90 95  
 Glu Thr Val Pro Lys Pro Cys Cys Ala Pro Thr Gln Leu Asn Ala Ile  
 100 105 110  
 Ser Val Leu Tyr Phe Asp Asp Ser Ser Asn Val Ile Leu Lys Lys Tyr  
 115 120 125  
 Arg Asn Met Val Val Arg Ala Cys Gly Cys His  
 130 135

## (2) INFORMATION FOR SEQ ID NO: 6:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 139 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: protein

## (ix) FEATURE:

(A) NAME/KEY: Protein

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/050,050

DATE: 08/28/2002

TIME: 09:59:25

Input Set : N:\Crif3\RULE60\10050050.raw

Output Set: N:\CRF4\08282002\J050050.raw

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285      (B) LOCATION: 1..139
286      (D) OTHER INFORMATION: /note= "MOP-1 (MATURE FORM)"
289      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
291      Ser Thr Gly Gly Lys Gln Arg Ser Gln Asn Arg Ser Lys Thr Pro Lys
292      1          5          10          15
294      Asn Gln Glu Ala Leu Arg Met Ala Ser Val Ala Glu Asn Ser Ser Ser
295      20          25          30
297      Asp Gln Arg Gln Ala Cys Lys Lys His Glu Leu Tyr Val Ser Phe Arg
298      35          40          45
300      Asp Leu Gly Trp Gln Asp Trp Ile Ile Ala Pro Glu Gly Tyr Ala Ala
301      50          55          60
303      Tyr Tyr Cys Glu Gly Glu Cys Ala Phe Pro Leu Asn Ser Tyr Met Asn
304      65          70          75          80
306      Ala Thr Asn His Ala Ile Val Gln Thr Leu Val His Phe Ile Asn Pro
307      85          90          95
309      Asp Thr Val Pro Lys Pro Cys Cys Ala Pro Thr Gln Leu Asn Ala Ile
310      100         105         110
312      Ser Val Leu Tyr Phe Asp Asp Ser Ser Asn Val Ile Leu Lys Lys Tyr
313      115         120         125
315      Arg Asn Met Val Val Arg Ala Cys Gly Cys His
316      130         135

```

C--&gt; 332 (2) INFORMATION FOR SEQ ID NO: /note= "HOP-2 (MATURE FORM)"

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320      (i) SEQUENCE CHARACTERISTICS:
321          (A) LENGTH: 139 amino acids
322          (B) TYPE: amino acid
323          (C) STRANDEDNESS: single
324          (D) TOPOLOGY: linear
326      (ii) MOLECULE TYPE: protein
329      (ix) FEATURE:
330          (A) NAME/KEY: Protein
331          (B) LOCATION: 1..139
335      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
337      Ala Val Arg Pro Leu Arg Arg Arg Gln Pro Lys Lys Ser Asn Glu Leu
338      1          5          10          15
340      Pro Gln Ala Asn Arg Leu Pro Gly Ile Phe Asp Asp Val His Gly Ser
341      20          25          30
343      His Gly Arg Gln Val Cys Arg Arg His Glu Leu Tyr Val Ser Phe Gln
344      35          40          45
346      Asp Leu Gly Trp Leu Asp Trp Val Ile Ala Pro Gln Gly Tyr Ser Ala
347      50          55          60
349      Tyr Tyr Cys Glu Gly Glu Cys Ser Phe Pro Leu Asp Ser Cys Met Asn
350      65          70          75          80
352      Ala Thr Asn His Ala Ile Leu Gln Ser Leu Val His Leu Met Lys Pro
353      85          90          95
355      Asn Ala Val Pro Lys Ala Cys Cys Ala Pro Thr Lys Leu Ser Ala Thr
356      100         105         110
358      Ser Val Leu Tyr Tyr Asp Ser Ser Asn Asn Val Ile Leu Arg Lys His
359      115         120         125
361      Arg Asn Met Val Val Lys Ala Cys Gly Cys His

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/050,050

DATE: 08/28/2002  
TIME: 09:59:26

Input Set : N:\Crf3\RULE60\10050050.raw  
Output Set: N:\CRF4\08282002\J050050.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos.1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:1; Xaa Pos.24,26,27,28,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45  
Seq#:1; Xaa Pos.46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,63,64,65,66,67  
Seq#:1; Xaa Pos.68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87  
Seq#:1; Xaa Pos.88,89,90,91,92,93,95,97  
Seq#:2; Xaa Pos.1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:2; Xaa Pos.24,26,27,28,30,31,32,33,34,35,37,38,39,40,41,42,43,44,45,46  
Seq#:2; Xaa Pos.47,48,49,50,51,52,53,54,55,56,57,58,59,60,63,64,65,66,67,68  
Seq#:2; Xaa Pos.69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88  
Seq#:2; Xaa Pos.89,90,91,92,93,95,97  
Seq#:3; Xaa Pos.4,6,7,8,11,12,14,15,18,20,21,23,26,28,30,31,33,34,35,36,37  
Seq#:3; Xaa Pos.38,39,40,44,45,46,47,49,50,51,52,53,54,55,56,57,58,59,60,63  
Seq#:3; Xaa Pos.65,66,67,68,69,70,71,72,74,75,76,77,78,79,80,82,84,85,86,87  
Seq#:3; Xaa Pos.88,90,92,93,97  
Seq#:4; Xaa Pos.2,3,4,5,9,11,12,13,16,17,19,20,23,25,26,28,31,33,35,36,38  
Seq#:4; Xaa Pos.39,40,41,42,43,44,45,49,50,51,52,54,55,56,57,58,59,60,61,62  
Seq#:4; Xaa Pos.63,64,65,68,70,71,72,73,74,75,76,77,79,80,81,82,83,84,85,87  
Seq#:4; Xaa Pos.89,90,91,92,93,95,97,98,102  
Seq#:15; Xaa Pos.2,3,4,5  
Seq#:29; Xaa Pos.2,3,9,11,16,19,23,26,35,39,41,50,52,56,57,58,60,61,65,71  
Seq#:29; Xaa Pos.73,75,80,82,84,87,89,91,97  
Seq#:30; Xaa Pos.2,3,4,6,7,8,11,12,14,15,16,18,19,20,21,23,26,28,30,31,33  
Seq#:30; Xaa Pos.34,35,36,37,38,39,40,44,45,46,47,48,49,50,51,52,53,54,55  
Seq#:30; Xaa Pos.56,57,58,59,60,63,65,66,67,68,69,70,71,72,74,75,76,77,78  
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Seq#:31; Xaa Pos.2,3,4,5,7,8,9,11,12,13,16,17,19,20,21,23,24,25,26,28,31,33  
Seq#:31; Xaa Pos.35,36,38,39,40,41,42,43,44,45,49,50,51,52,53,54,55,56,57  
Seq#:31; Xaa Pos.58,59,60,61,62,63,64,65,68,70,71,72,73,74,75,76,77,79,80  
Seq#:31; Xaa Pos.81,82,83,84,85,87,89,90,91,92,93,95,97,98,100,102

## VERIFICATION SUMMARY

DATE: 08/28/2002

PATENT APPLICATION: US/10/050,050

TIME: 09:59:26

Input Set : N:\Crif3\RULE60\10050050.raw

Output Set: N:\CRF4\08282002\J050050.raw

L:34 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:35 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16  
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:32  
L:86 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:48  
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:64  
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:80  
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:96  
L:112 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]  
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16  
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:32  
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:48  
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:64  
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:80  
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:96  
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16  
L:168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:32  
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:48  
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:64  
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:80  
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:96  
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16  
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:32  
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:48  
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:64  
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:80  
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:96  
L:332 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]  
L:378 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]  
L:424 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]  
L:464 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]  
L:664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:1391 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]  
L:1987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:1990 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:16  
L:1993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:32  
L:1996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:48  
L:1999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:64  
L:2002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:80  
L:2005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:96  
L:2030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:2033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:16  
L:2036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:32  
L:2039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:48

## VERIFICATION SUMMARY

DATE: 08/28/2002

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Input Set : N:\Crf3\RULE60\10050050.raw

Output Set: N:\CRF4\08282002\J050050.raw

L:2042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:64  
L:2045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:80  
L:2048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:96  
L:2073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
L:2076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:16  
L:2079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:32  
L:2082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:48  
L:2085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:64  
L:2088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:80  
L:2091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:96